

GenX Exposure Study: Responding to Community Concerns

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Problem:

GenX, a chemical used to make non-stick products, was detected in the Cape Fear River and the drinking water for Wilmington

No data on human exposure

No data on health effects

Community Residents wanted answers

Community wants to know:

Is GenX detectable in me?

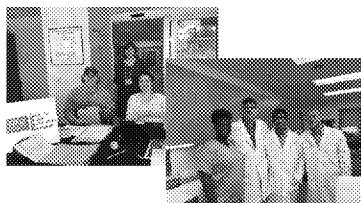
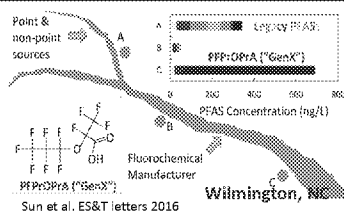
What factors influence GenX levels in blood?

Is GenX associated with health effects?

1980: Chemours begins discharging GenX, a perfluoroalkyl substance (PFAS)

2017: Stars News reports GenX detected in Cape Fear River, City of Wilmington's finished drinking water

Now: Exposure reduced, but community concerned about health impacts



PI: Hoppin R21 ES029353
Website: tinyurl.com/GenXnc

The GenX Exposure Study

Diverse Research Team including community partners

Enrolled: >300 residents, ages 6+, November 2017

All documents available in Spanish

Measuring Exposure:

GenX and other PFAS in drinking water, blood, urine

Targeted and Non-targeted analyses

Measuring Outcomes:

Thyroid function,

Lipid levels,

Comprehensive metabolic panel

Reporting Back Results:

Individual and community level reporting.

Utilizing Community Science Advisory Panel to get advice

for report back

